

In the claims

1. (pending) A DNA molecule isolated from cotton tissue identified as SEQ ID NO:7.
2. (pending) A primer pair of DNA molecules comprising a sufficient length of contiguous nucleotides of SEQ ID NO:7 or complements thereof wherein a first DNA molecule of the primer pair resides in a transgene insert DNA sequence of SEQ ID NO:7 and a second DNA molecule of the primer pair resides in the cotton genomic DNA sequence of SEQ ID NO:7 and the pair of DNA molecules are useful as DNA nucleotide primers in a DNA amplification method.
3. (pending) A DNA molecule isolated from cotton tissue identified as SEQ ID NO:8.
4. (pending) A primer pair of DNA molecules comprising a sufficient length of contiguous nucleotides of SEQ ID NO:8 or complements thereof wherein a first DNA molecule of the primer pair resides in a transgene insert DNA sequence of SEQ ID NO:8 and a second DNA molecule of the primer pair resides in the cotton genomic DNA sequence of SEQ ID NO:8 and the pair of DNA molecules are useful as DNA nucleotide primers in a DNA amplification method.
5. (pending) A method of detecting the presence of DNA corresponding to the genomic/transgene DNA of cotton event PV-GHGT07(1445) event in a sample, the method comprising:
 - (a) contacting the sample comprising cotton DNA with a primer pair of claim 2, that when used in a nucleic-acid amplification reaction with DNA from cotton event PV-GHGT07(1445), produces an amplicon that is diagnostic for cotton event PV-GHGT07(1445); and
 - (b) performing a nucleic acid amplification reaction, thereby producing the amplicon; and
 - (c) detecting the amplicon.
6. (cancelled)
7. (pending) A DNA detection kit specific for genomic/transgene DNA of cotton event PV-GHGT07(1445) and its progeny comprising at least one DNA molecule of sufficient length of contiguous DNA polynucleotides to function in a DNA detection method, that is homologous or complementary to SEQ ID NO:7.
8. (pending) A method of detecting the presence of DNA corresponding to the genomic/transgene DNA of cotton event PV-GHGT07(1445) event in a sample, the method comprising:

(a) contacting the sample comprising cotton DNA with a primer pair of claim 4, that when used in a nucleic-acid amplification reaction with DNA from cotton event PV-GHGT07(1445), produces an amplicon that is diagnostic for cotton event PV-GHGT07(1445); and

(b) performing a nucleic acid amplification reaction, thereby producing the amplicon; and

(c) detecting the amplicon.

9. (cancelled)

10. (pending) A DNA detection kit specific for genomic/transgene DNA of cotton event PV-GHGT07(1445) and its progeny comprising at least one DNA molecule of sufficient length of contiguous DNA polynucleotides to function in a DNA detection method, that is homologous or complementary to SEQ ID NO:8.

11. (cancelled)

12. (pending) An isolated DNA molecule comprising a genomic/transgene DNA junction sequence of cotton event PV-GHGT07(1445) identified as SEQ ID NO:5 or DNA molecules substantially homologous to said DNA molecule or complements thereof.

13. (pending) An isolated DNA molecule comprising a genomic/transgene DNA junction sequence of cotton event PV-GHGT07(1445) identified as SEQ ID NO:6 or DNA molecules substantially homologous to said DNA molecule or complements thereof.

14 -21. (cancelled)